

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously Presented) A method for producing a bulk amorphous alloy sheet, the method comprising:

preparing a melt containing alloy components;

feeding the melt directly into a gap defined between two rolls, which rotate in opposite direction to each other, and each of which is provided with heat exchange means; and

cooling the melt at a cooling rate higher than the critical cooling rate for transformation of the melt into an amorphous solid phase, when the melt passes through the gap defined between the two rolls,

wherein the rotation rate of the two rolls is in the range of 1 to 10 cm/sec, and the gap between the two rolls is in the range of 0.5 to 20 mm.

2. (Original) The method according to claim 1, wherein the step of preparing the melt is carried out in an inert atmosphere.

3. (Original) The method according to claim 1, wherein the heat exchange means is a circuit for flow of a cooling fluid.

4. (Original) The method according to claim 3, wherein the cooling fluid is cooling water or cooling oil.

5. (Original) The method according to claim 1, wherein the two rolls are made of a copper-based alloy containing material.

6. (Previously Presented) The method according to claim 1, wherein the temperature of the melt to be fed into the gap defined between the two rolls is in the range of 500 to 1,500 °C, the surface temperature of the two rolls is in the range of 15 to 30 °C.

7. (Previously Presented) The method according to claim 1, wherein the two rolls are arranged in such a manner that an angle defined by the horizontal and a straight line

connecting the respective rotation centers of the two rolls, is in the range of 0 to 90 degrees.

8. (Previously Presented, Withdrawn) A bulk amorphous alloy sheet prepared by the method according to claim 1.

9. (Previously Presented, Withdrawn) The bulk amorphous alloy sheet according to claim 8, which has a thickness of 0.5 to 20 mm.

10. (New) The method of claim 1 wherein components of the alloy comprise one or more components selected from the group consisting of Cu, Ti, Zr, Ni, Si, Sn, Hf, Nb, Al, Be, and Pd.

11. (New) The method according to claim 10, wherein the step of preparing the melt is carried out in an inert atmosphere.

12. (New) The method according to claim 10, wherein the heat exchange means is a circuit for flow of a cooling fluid.

13. (New) The method according to claim 12, wherein the cooling fluid is cooling water or cooling oil.

14. (New) The method according to claim 10, wherein the two rolls are made of a copper-based alloy containing material.

15. (New) The method according to claim 10, wherein the temperature of the melt to be fed into the gap defined between the two rolls is in the range of 500 to 1,500 °C, the surface temperature of the two rolls is in the range of 15 to 30 °C.

16. (New) The method according to claim 10, wherein the two rolls are arranged in such a manner that an angle defined by the horizontal and a straight line connecting the respective rotation centers of the two rolls, is in the range of 0 to 90 degrees.